AMENDMENTS TO THE CLAIMS

Claim 1.   (currently amended) Device (10) for receiving signals in a wireless

orthogonal frequency division multiplex (OFDM) system, in which data symbols and pilot

symbols are transmitted in frequency subcarriers and timeslots, comprising

receiving means (11) for receiving pilot symbols transmitted in a continuous stream within

at least one frequency subcarrier and receiving distributed pilot symbols distributed among said

frequency subcarriers and timeslots;

channel estimation means (16) for performing a channel estimation for a data symbol on

the basis of received pilot symbols using a filter including a common phase error correction

value from the continuous stream pilot symbol in the same timeslot as the data symbol to be

channel estimated; said channel estimation means performing said channel estimation on the

basis of at least two of said distributed pilot symbols in different timeslots using a time filter;

said channel estimation means calculating said common phase error correction value on the basis

of the continuous stream pilot symbol in the same timeslot as the data symbol to be channel

estimated and on the basis of the continuous stream pilot symbols respectively in the same

timeslot as said at least two distributed pilot symbols.

Claims 2-4.   (canceled)

Claim 5.   (currently amended) Device (10) according to claim 4 1, characterized in,

that said common phase error correction value is calculated on the basis of common phase error

ratios between said continuous stream pilot symbol in the same timeslot as the data symbol to be

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channel estimated and each of said continuous stream pilot symbols respectively in the same timeslot as said at least two distributed pilot symbols.

Claim 6.   (currently amended) Channel estimation method in a wireless orthogonal frequency division multiplex (OFDM) system, in which data symbols and pilot symbols are transmitted in frequency subcarriers and timeslots and in which pilot symbols are transmitted in a continuous stream within at least one frequency subcarrier, whereby a channel estimation for a data symbol is performed on the basis of received pilot symbols using a filter including a common phase error correction value from the continuous stream pilot symbol in the same timeslot as the data symbol to be channel estimated;

wherein distributed pilot symbols are distributed among said frequency subcarriers and timeslots, whereby said channel estimation is performed on the basis of at least two of said distributed pilot symbols in different timeslots using a time filter; and

wherein said common phase error correction value is calculated on the basis of the continuous stream pilot symbol in the same timeslot as the data symbol to be channel estimated and on the basis of the continuous stream pilot symbols respectively in the same timeslot as said at least two distributed pilot symbols.

Claims 7-9.   (canceled)

Claims 10.   (currently amended) Channel estimation method according to claim 9̶6, characterized in, that said common phase error correction value is calculated on the basis of common phase error ratios between said continuous stream pilot symbol in the same timeslot as

the data symbol to be channel estimated and each of said continuous stream pilot symbols

respectively in the same timeslot as said at least two distributed pilot symbols.